Fall 2012

CS 1200: Introduction to Discrete Structures

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Course Syllabus Guidelines

I. College/School/Department – Teacher

College of Engineering and Computer Science
Department of Computer Science and Engineering
Prof. Pascal Hitzler, 389 Joshi
pascal@pascal-hitzler.de; office hours: Tuesdays 4pm to 5pm

II. Course Information

Course Title: Introduction to Discrete Structures
Course Abbreviation and Number: CS1200
Course Cross Listing(s) Abbreviation and Number:
Check ("x") all applicable:
General Education Course_____ Writing Intensive Course_____ Service Learning Course_____
Laboratory Course__x__ Ohio TAG (Transfer Assurance Guide) Course _____
Ohio Transfer Module Course_____ Others (specify)_____

III. Course Registration

Prerequisites: MPL 3
Corequisites: none
Restrictions: none
Other: none

IV. Learning Outcomes

- Basic understanding of discrete structures as relevant for computer science
- Working knowledge of basic mathematical notation and manipulation with discrete structures

V. Course Materials

Required: none

VI. Method of Instruction: Lecture + Recitations

VII. Evaluation and Policy

Weekly homework: 50% score required to qualify for participation in final exam.
Two exams during term (30% each), final exam (40%) towards class grade.

VIII. Grading Policy

Grading will follow a standard scale (A: 100-90, B: 89-80, C: 79-70, D: 69-60, F: 59-0)

IX. Course Outline

1 The Language of Sets and Relations
2 Logical Connectives
3 Sets
4 Functions
5 Relations
6 Natural Induction

X. Further Particulars

Physical presence required in class and recitation sessions.

Required textbook: Susanna S. Epp, Discrete Mathematics with Applications. Brooks/Cole, 4th edition, 2011.